

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently amended) A method comprising:

receiving information from each of a plurality of repeaters indicating which of a plurality of packets wirelessly transmitted by a mobile station were received by each repeater ~~including and a received~~ signal strength ~~of at which~~ each of the wirelessly transmitted packets ~~at was received said each repeater;~~

identifying an individual one of the plurality of wirelessly transmitted packets that was received by each of the plurality of the repeaters; and

determining a location of the mobile station with respect to the plurality of repeaters based on comparing one to the other ~~power levels~~ the signal strengths at ~~which of the individual packets of packet the plurality of wirelessly transmitted packets~~ was received at each of the plurality of repeaters.

2. (Original) The method defined in claim 1 further comprising storing information indicating which repeater is closest to the mobile station.

3. (Original) The method defined in claim 2 further comprising:
setting a switch port assigned to the repeater closest to the mobile station; and
sending a packet with a destination address being the mobile station via a switch port associated with the repeater that is closest to the mobile station.

4. (Original) The process defined in claim 1 wherein the wirelessly transmitted packets are transmitted according to the 802.11 family of protocols.

5. (Original) The process defined in claim 1 wherein the mobile station in one selected from a group consisting of a mobile phone, a cellular phone, a cordless phone, a headset, a voice-enabled mobile station, a laptop computer system, and a personal digital assistant or any computer-data-enabled mobile station.

6. (Original) A system comprising:
~~one or more~~ a mobile station[[s]] having a transmitter[[s]] to transmit packets wirelessly;
a plurality of repeaters communicably coupled with ~~one or more~~ the mobile station[[s]], wherein each of the plurality of repeaters receives one or more ~~packets of the~~ a plurality of wirelessly transmitted packets from the mobile station and forwards received packets with corresponding received signal strength ~~indications~~indicators; and
a switch coupled to the plurality of repeaters to receive forwarded packets from each of the plurality of repeaters and to perform location tracking of the mobile stations based on an identification of an individual one of the plurality of wirelessly transmitted packets that was received by each of the plurality of repeaters and a comparison one to the other of the received signal strength indicators associated with the individual packet.